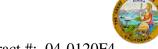
### DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials

Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

## WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-010116 Address: 333 Burma Road **Date Inspected:** 03-Nov-2009

City: Oakland, CA 94607

**OSM Arrival Time:** 645 **Project Name:** SAS Superstructure **OSM Departure Time:** 1845 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

**CWI Name: CWI Present:** Yes NA No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A Yes N/A **Electrode to specification:** No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes N/A **Approved Drawings:** Yes No **Approved WPS:** No Yes No N/A **Delayed / Cancelled:** 

34-0006 **Bridge No: Component:** OBG

### **Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Larry Viars was present during the times noted above for observations relative to the work being performed.

South of Blast Bay-

This QA Inspector performed Ultrasonic Testing verification (UT) of OBG segment 7AW welds. Ultrasonic testing was performed on Complete Joint Penetration (CJP) welds tested and accepted by ZPMC as well as CJP welds not tested by ZPMC UT technicians. For further detail please see the TL-6027 UT report generated this date. The following welds were tested:

Deck panel diaphragm splice welds: SEG033-PP48-011~018

Floor beam splice welds: SSD13-PP48-002, 008, 131, 132 and 138. Caltrans QA found weld SSD13-PP48-131 to be unacceptable as per AWS D1.5 table 6.3.

Corner assembly welds: CA031-003, 004, CA032-003 and 004.

Bay 13

This QA inspector performed Ultrasonic Testing (UT) verification of the areas previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member was

# WELDING INSPECTION REPORT

(Continued Page 2 of 2)

identified as OBG Segment 11BE side panel to bottom panel weld, SEG068A-005. Caltrans QA found weld SEG068A-005 to be unacceptable as per AWS D1.5 table 6.3. ZPMC is required to perform 25% testing of this joint. For further detail please see the TL-6027 UT report generated this date.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### **Summary of Conversations:**

Only general conversation between QA and QC occurred this date.

#### **Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150 0042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	Dawson,Paul	QA Reviewer